

Form PTO-1449 (modified)

Atty. Docket No.
4020.000500Serial No.
09/292,242

List of Patents and Publications for Applicant's

Applicant
Rajindra Aneja

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
April 15, 1999

Group:

~~Unknown~~ 1616

U.S. Patent Documents

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Foreign Patent Documents

Other Art

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1625 U.S. PTO

10/056188



U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
<input checked="" type="checkbox"/>	A1	5,227,508	07.13.93	Kozikowski <i>et al.</i>	558	155	
<input type="checkbox"/>	A2						
<input type="checkbox"/>	A3						
<input type="checkbox"/>	A4						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
<input type="checkbox"/>	B1						
<input type="checkbox"/>	B2						
<input type="checkbox"/>	B3						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
<input checked="" type="checkbox"/>	C1	Aneja <i>et al.</i> , "A General Synthesis of Glycerophospholipids," <i>Biochim Biophys. Acta</i> , 218:102-111, 1970.
<input checked="" type="checkbox"/>	C2	Aneja and Parra, "Facile Optical Resolution of DL-1,4,5,6-Tetra-O-Benzyl-MYO-Inositol: Key Synthons for the Phosphoinositides," <i>Tetrahedron Lett.</i> , 35:525-526, 1994.
<input checked="" type="checkbox"/>	C3	Aneja <i>et al.</i> , "The Absolute Configuration and Optical Purity of (-)- and (+)-1,2:4,5-Di-O-Cyclohexylidene-MYO-Inositols," <i>Tetrahedron Asymmetry</i> , 6:17-18, 1995.
<input checked="" type="checkbox"/>	C4	Aneja <i>et al.</i> , "A Unified Approach to Unambiguous Synthesis of the Phosphatidylinositol-3-Phosphates Involved in Intracellular Signal Transduction," <i>Tetrahedron Lett.</i> , 38:803-806, 1997.
<input checked="" type="checkbox"/>	C5	Bannwarth and Trzeciak, "A Simple and Effective Chemical Phosphorylation Procedure for Biomolecules," <i>Helv. Chim. Acta</i> , 70:175-186, 1987.
<input checked="" type="checkbox"/>	C6	Berridge, "Inositol Trisphosphate and Diacylglycerol: Two Interacting Second Messengers," <i>Annu. Rev. Biochem.</i> , 56:159-193, 1987.

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DATE CONSIDERED:

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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U.S. Patent Documents See Page 1	Foreign Patent Documents	Other Art See Page 1-3	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C7	Berridge, "Inositol Trisphosphate and Calcium Signalling," <i>Nature</i> , 361:315-325, 1993.
	C8	Bruzik and Kubiak, "General Synthesis of Phosphatidylinositol 3-Phosphates," <i>Tetrahedron Lett.</i> , 36:2415-2418, 1995.
	C9	Chen <i>et al.</i> , "Synthesis of Photoactivatable 1,2-O-Ddiacyl- <i>sn</i> -Glycerol Derivatives of 1-L-Phosphatidyl-D-MYO-Inositol 4,5-Bisphosphate (PtdInsP ₂) and 3,4,5-Trisphosphate(PtdInsIP ₃), <i>J. Org. Chem.</i> , 61:6305-6312, 1996.
	C10	Chen and Prestwich, "Synthesis of a Tritium-Labelled Diether Analog of Phosphatidylinositol 4,5-Bisphosphate," <i>J. Labelled Compounds and Radiopharmaceuticals</i> , 39:251-258, 1997.
	C11	Duckworth and Cantley, "PI 3-Kinase and Receptor-Linked Signal Transduction," <i>Lipid Second Messengers - Handbook of Lipid Research; Plenum Press: New York, NY</i> , Vol. 8, pp 125-175, 1996.
	C12	Gaffney and Reese, "Synthesis of 1-O-Stearoyl-2-O-Arachidonoyl- <i>sn</i> -Glycer-3-YL-D-MYO-Inositol 3,4,5-Trisphosphate and its Stereoisomers," <i>Bioorg. Med. Chem. Lett.</i> , 7:3171-3176, 1997.
	C13	Gou and Chen, "Synthesis of L- α -Phosphatidyl-D-MYO-Inositol 3,4,5-Trisphosphate, an Important Intracellular Signalling Molecule," <i>J. Chem. Soc., Chem. Commun.</i> , 2126-2126, 1994.
	C14	Grove <i>et al.</i> , "Synthesis of Dipalmitoyl Phosphatidylinositol 3,4-bis(phosphate) and 3,4,5-tris(phosphate) and their Enantiomers," <i>J. Chem. Soc., Chem. Commun.</i> , 1635-1636, 1997.
	C15	Lee and Rhee, "Significant of PIP ₂ Hydrolysis and Regulation of Phospholipase C Isozymes," <i>Curr. Opin. Cell Biol.</i> , 7:183-189, 1995.
	C16	Stephens <i>et al.</i> , "Synthesis of Phosphatidylinositol 3,4,5-Trisphosphate in Permeabilized Neutrophils Regulated by Receptors and G-Proteins," <i>J. Biol. Chem.</i> , 268:17162-17172, 1993.
	C17	Terui <i>et al.</i> , "Effects of Acid Phospholipids on Nucleotide Exchange Properties of ADP-Ribosylation Factor 1," <i>J. Biol. Chem.</i> , 269:28130-28135, 1994.
	C18	Toker <i>et al.</i> , "Activation of Protein Kinase C Family Members by the Novel Polyphosphoinositides PtdIns-3,4-P ₂ and PtdIns-3,4,5-P ₃ ," <i>J. Biol. Chem.</i> , 269:32358-32367, 1994.

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U.S. Patent Documents See Page 1	Foreign Patent Documents	Other Art See Page 1-3	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C19	Watanabe <i>et al.</i> , "Synthesis of a Phosphatidylinositol 3,4,5-Trisphosphate," <i>Tetrahedron Lett.</i> , 35:123-124, 1994.
	C20	Watanabe <i>et al.</i> , "Synthesis of 1D-Distearoylphosphatidyl-MYO-Inositol 3,4,5-Tris(Dihydrogen Phosphate)," <i>Tetrahedron</i> , 51:8969-8976, 1995.
	C21	Watanabe <i>et al.</i> , "Protection of Phosphate with the 9-Fluorenylmethyl Group. Synthesis of Unsaturated-Acyl Phosphatidylinositol 4,5-Bisphosphate," <i>Tetrahedron Lett.</i> , 38::7407-7410, 1997.
	C22	Watanabe and Nakatomi, "Synthesis of Natural PI(3,4,5)P ₃ ," <i>Tetrahedron Lett.</i> , 39:1583-1586, 1998.
	C23	Whitman <i>et al.</i> , "Evidence for Two Distinct Phosphatidylinositol Kinases in Fibroblasts," <i>Biochem. J.</i> , 247:165-174, 1987.
	C24	Whitman <i>et al.</i> , "Type I Phosphatidylinositol Kinase makes a Novel Inositol Phospholipid, Phosphatidylinositol-3-Phosphate," <i>Nature</i> , 332:644-646, 1988.

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